SC/APC Fiber Optic Fast Connector Specification

Product overview:

The Fast Connector (Field Assembly Connector or Field terminated fiber connector, quickly assembly Fiber connector) is a revolutionary field installable optical fiber connector that requires no epoxy and no polishing. The unique design of the patented mechanical splice body incorporates a factory-mounted fiber stub and a pre-polished ceramic ferrule. Using this onsite assembly optical connector, it is possible to improve the flexibility of optical wiring design as well as reducing the time required for fiber termination. The Fast connector series are already a popular solution for optical wiring inside buildings and floors for LAN & CCTV applications and FTTH.

Specification:

Parameters	Value		Parameters	Value
Insertion Loss	⩽ 0.5 dB		Repeatability (500 Mating Times)	ΔI.L. ⩽ 0.3 dB
Return Loss	⩾ 45dB		Temperature cycle	ΔI.L. ⩽ 0.3 dB
Tensile strength	F>50N		Vibration test	ΔI.L. ⩽ 0.3 dB
Operating Temperature	-20 ~ +75℃		Flooding test	ΔI.L. ⩽ 0.3 dB
Storage Temperature	-40 ~ +85℃		Tensile strength	F>50N

Item	Parameter
Cable Scope	3.0 x 2.0 mm and 1.6*2.0mm Bow-type Drop Cable
Size	51*9*7.55mm
Coating Diameter	250μm
Mode	SM
Operation Time	about 15s(exclude fiber presetting)
Insertion Loss	≤ 0.3dB(1310nm & 1550nm)
Return Loss	≤ -50dB for UPC, ≤ 55dB for APC
Success Rate	>98%
Reusable Times	>5 times
Tighten Strength of Naked Fiber	>5 N
Tensile Strength	>30 N
Temperature	-40 ~ +85 C
On-line Tensile Strength Test (20 N)	IL ≤ 0.3dB
Mechanical Durability(500 times)	IL ≤ 0.3dB
Drop Test	IL ≤ 0.3dB

Operation Instruction:

Product Components:

Operation Instruction:

Product Components:

Operation Steps: